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Application Number: 10/722,795

Title: FINGERPRINT SCANNER WITH TRANSLATING SCAN HEAD

Group Art Unit: 2624

Examiner: Nancy Bitar

1. An input device for scanning a biometric image, comprising:
 - a housing;
 - a scan head movably mounted to the housing[.]; wherein the scan head is comprised of at least a light source;
 - a platen moveably mounted to the housing and the scan head for movement relative to the housing and the scan head between a first position and a second position; ~~and~~
 - a biasing device configured to bias the platen toward the first position[.];
 - a start of scan switch located such that the start of scan switch is activated when the platen moves from the first position; and
 - an end of scan switch located such that the end of scan switch is activated when the platen is at the second position.

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11. An input device for scanning a biometric image, comprising:
- a housing having an angled way;
 - a platen moveably mounted to the housing for movement between a first position and a second position, the platen being adaptive to receive the biometric image;
 - a scan head, comprised of at least a light source, moveably mounted to the angled way, wherein movement of the platen causes the scan head to translate along the angled way; and an encoder target.
18. An input device for scanning a biometric image, comprising:
- a housing having an angled way;
 - a platen moveably mounted to the housing;
 - an encoder target associated with the platen; and
 - a scan head, comprised of at least a light source, moveably mounted to the angled way housing, wherein movement of the platen causes the scan head to traverse the platen, the scan head configured, in operation, to capture a scan line of the fingerprint image and a portion of a pattern on the encoder target while traversing the platen.